

CLAIMS

What is claimed is:

1. An apparatus for use in delivering pain medication to separate locations from a single source of pressurized medication, comprising:

5 a valve housing having a first end and a second end and an inlet passage, the first end including first and second outlet orifices;

 a cap having a closed end and an open end and being removably coupled to the valve housing at the open end; and,

10 a flexible diaphragm coupled between the cap and the valve housing and being movable from a closed position to an open position, the flexible diaphragm sealing a pressure chamber from the first and second outlet orifices when in the closed position and opening the first and second outlet orifices to the pressure chamber when in the open position, the inlet orifice being coupled to the pressure chamber outlet.

15 2. The apparatus, as set forth in claim 1, the pressure chamber being formed by the second end of the valve housing and the flexible diaphragm.

 3. The apparatus, as set forth in claim 1, the inlet orifice being coupled to the pressure chamber by an inlet passage.

20 4. The apparatus, as set forth in claim 1, the first and second outlet orifices being coupled to the pressure chamber by first and second outlet passages.

25 5. An apparatus, as set forth in claim 1, wherein the open end of the cap has an outer perimeter, the outer perimeter having a ridge.

 6. An apparatus, as set forth in claim 5, wherein the second end of the valve housing includes a detent along its outer perimeter adapted to receive the ridge.

7. An apparatus, as set forth in claim 1, further comprising a biasing spring coupled between the cap and the flexible diaphragm for biasing the flexible diaphragm towards the closed position.

8. An apparatus, as set forth in claim 7, further comprising a piston having
5 juxtaposed between the biasing spring and the flexible diaphragm.

9. An apparatus, as set forth in claim 8, the flexible diaphragm including a piston receiving aperture for receiving a first end of the piston.

10. An apparatus, as set forth in claim 9, the piston having a spring receiving chamber located at a second end.

11. An apparatus, as set forth in claim 7, the cap having a spring positioning pin, the spring being centered on the spring positioning pin.

12. An apparatus, as set forth in claim 1, further comprising first and second bushings located within the first and second outlet orifices, respectively.

13. An apparatus, as set forth in claim 12, further comprising first and second flow restricting components located within the first and second bushings, respectively.

14. An apparatus, for use in delivering pain medication to separate locations from a single source of pressurized medication, comprising:

a valve housing having a first end and a second end, the first end including first and second outlet orifices;

20 a cap having a closed end and an open end and being removably coupled to the valve housing at the open end;

a flexible diaphragm coupled between the cap and the valve housing and being movable from a closed position to an open position, the second end of the valve housing and the flexible diaphragm forming a pressure chamber, the valve housing further including an inlet orifice, the inlet orifice being coupled to the pressure chamber by an inlet passage, the first and second outlet orifices being coupled to the pressure chamber by first and second outlet passages, respectively, the flexible diaphragm sealing the

pressure chamber from the first and second outlet orifices when in the closed position and opening the first and second outlet orifices to the pressure chamber when in the open position.

15. An apparatus, as set forth in claim 11, wherein the open end of the cap has
5 an outer perimeter, the outer perimeter having a ridge.

16. An apparatus, as set forth in claim 15, wherein the second end of the valve housing includes a detent along its outer perimeter adapted to receive the ridge.

17. An apparatus, as set forth in claim 14, further comprising a biasing spring coupled between the cap and the flexible diaphragm for biasing the flexible diaphragm
10 towards the closed position.

18. An apparatus, as set forth in claim 17, further comprising a piston having juxtaposed between the biasing spring and the flexible diaphragm.

19. An apparatus, as set forth in claim 18, the flexible diaphragm including a piston receiving aperture for receiving a first end of the piston.

15 20. An apparatus, as set forth in claim 19, the piston having a spring receiving chamber located at a second end.

21. An apparatus, as set forth in claim 17, the cap having a spring positioning pin, the spring being centered on the spring positioning pin.

20 22. An apparatus, as set forth in claim 14, further comprising first and second bushings located within the first and second outlet orifices, respectively.

23. An apparatus, as set forth in claim 22, further comprising first and second flow restricting components located within the first and second bushings, respectively.